Message

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Sent: 1/10/2020 3:35:18 PM
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Subject: ST012 SVE update

Carolyn and Wayne

On behalf of the Air Force, please see below an update on SVE operation at ST012.

On December 27, 2019 there a was power failure at the ST012 site. Upon restoration of the power, the variable frequency drive (VFD) for blower on catalytic oxidizer 2 that runs the SVE system did not work correctly. Throughout the following week, Wood performed troubleshooting and worked with the vendor (Catalytic Combustion) to determine if the VFD could be repaired or replaced with another on site blower VFD. Following the troubleshooting period, it was determined that a new VFD was required and Wood has placed an order for a new VFD. The new VFD will be shipped to Catalytic Combustion for programing prior to installation on site. We anticipate that the system will be down for approximately two to three weeks from the date of this email.

Prior to the VFD failure, the AF and Wood had been evaluating as part of SVE optimization the performance of a short term (30-45 day) rebound study to evaluate areas of remaining soil vapor contamination at the site. In view of the current shutdown, the AF is going to take advantage of the shut-down period and perform the short term rebound study. Wood has closed the SVE wells and will taking PID/FID measurements over the next several weeks. This will allow us to monitor any potential rebound in VOC concentrations as result of the shut-down. Following the installation of the new VFD, the AF will evaluate leaving the system off for several more weeks to complete rebound measurements. The AF anticipates collecting vapor samples for laboratory analysis at select wells at the conclusion of the rebound period. The select wells would target those locations with significant increasing PID/FID measurements during the rebound period. If necessary, we can discuss further during next week's BCT call.

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